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(54) MEDIUM TO BE USED IN DETERMINATION OF VIABLE NUMBER OF BIFIDOBACTERIUM CELLS AND DETERMINATION THEREWITH

(57)Abstract:

PURPOSE: To easily and stably obtain the subject medium by adding Streptococcus faecalis (SCF) to agar medium components containing a carbon source substrate suitable for the culture of Bifidobacterium (BFB).

CONSTITUTION: A selective medium is prepared by adding 1-2g/l of lyophilized powder of SCF (108 to 1010 colony-forming unit/g) to a BL medium (Blood Liver Agar) having pH of 6.8-7.2 and containing 5-10g/l of a carbon source substrate such as fructooligosaccharide or soybean oligosaccharide, 10-20g/l of a nitrogen source and 2-5g/l of inorganic matters. A specimen such as food, drug or feed is added to the selective medium and anaerobically cultured at about 37°C for 2-3 days to form colonies characteristic to BFB strain. The number of living cells of Bifidobacterium can be determined by counting the number of colonies.

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